

004576051

IAP20R32-05710 18 APR 2006
SEQUENCE LISTINGS

SEQUENCE ID NO 1

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SEQUENCE ID NO 2

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SEQUENCE ID NO 3

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SEQUENCE ID NO 4

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SEQUENCE ID NO 5

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SEQUENCE ID NO 6

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SEQUENCE ID NO 7

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SEQUENCE ID NO 8

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SEQUENCE ID NO 9

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GTGGCATAAGGTGAGTGCACGGTATGTTTCAGATCACAGTGCCTTATGTCCGAATACAGCAATATG
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CCTTTTACCAAATCAGTTTGTCTTTCTTTAGATTTGTCAAAAAGTTGTAATTTGAATATAAATAAT
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SEQUENCE ID NO 10

RAARIPCGGGGGLGRVGAALPLRPRPPLPASPARPLLPAARQSQAPALGRPRARRPGTSVAAHAD
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ELYLQETFKPLVNISPDA SLFDVYSLIKNKIHLRPLVIDPISGNALYILTHKRILKFLQLFMSDM
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SEQUENCE ID NO 11

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SEQUENCE ID NO 12

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SEQUENCE ID NO 13

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SEQUENCE ID NO 14

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SEQUENCE ID NO 15

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SEQUENCE ID NO 16

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SEQUENCE ID NO 17

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TGATGACAGCCCTGTCCCTCCCTGCCTCTGCCTTGCCCAAGGCCACGGAGGGCGTCTGCAGAGAG
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GTCCCCAGTCTGCGGGAGGCAGTGGTGGGGCCATGGACCCATGCGGGGGGTTCAGGGTCACACG
CCACATAACAGACAAAAATACACACACGTGTGTTTTTCTTTGCAATACTTGAAATATTGCCACTG
TGCTTGGACTIONAGAAGAAGAAAATCCCCGTGACTTCTTCCTCATCACCTTGATGGCTTTATTCTC
ACCTTGTTGGGGCATGTTTGTATTTATTGCTTCATGGCCGACTGGAATCCTGAGTCCTGGGAAGCT

GGCACTGCGGGGATCTTGCCCGGTGTCCTGGTCCTCTTGCTTCCGTCGCGGGCCGCATGTGCGTGT
GTCCAAGCAGGTCCTGGGCGCCTCAACTGCTGCCCCTGGTTGAATGTTCTCTTGATAGTGCTGGA
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CAACGTAAGGAAATAAACCTTTGGAATTGTTGGGCTGGTGTCACTT

SEQUENCE ID NO 18

MEPGRGGTETVGKFEFSRKDLIGHGAFAVVFVKGRHREKHDLEVAVKCINKKNLAKSQTLLGKEIK
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SKGIIHRDLKPQNILLSNPAGRRANPNSIRVKIADFGFARYLQSNMMAATLCGSPMYMAPEVIMS
QHYDGKADLWSIGTIVYQCLTGKAPFQASSPQDLRLFYEKNKTLVPTIPRETSAPLRQLLLALLQ
RNHKDRMDFDEFFHHPFLDASPSVRKSPPVPVPSYPSSSGSGSSSSSSSTSHLASPPSLGEMQQLO
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ASAGLESHGRTSPSPPCSSSPSPSGRAGPFSSSRCGASVPIPVPTQVQNYQRIERNLQSPTQFQ
TPRSSAIRRSGSTSPLGFARASPSPPAHAEHGGVLARKMSLGGGRPYTPSPQVGTIPERPGWSGT
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VVMTPPRNRTLPLDLSEVGPFHGQPLGPGLRPGEDPKGPFGRSFSTSRLLDLLLKAAGTQAPDPG
STESLQEKPMEIAPSAGFGGSLHPGARAGGTSSPSPVVFTVGSPPSGSTPPQGPRTRMFSAGPTG
SASSSARHLVPGPCSEAPAPELPAPGHGCSFADPIAANLEGAVTFEAPDLPEETLMEQEHEILR
GLRFTLLFVQHVLEIAALKGSASEAAGGPEYQLQESVVADQISLLSREWGFAEQLVLYLKVAELL
SSGLQSAIDQIRAGKLCLSSTVKQVVRRLNELYKASVVSCQGLSLRLQRFFLDKQRLLDRIHSIT
AERLIFSHAVQMVQSAALDEMFQHREGCVPRYHKALLLLEGLQHMLSDQADIENVTKCKLCIERR
LSALLTGICA

SEQUENCE ID NO 19

CACAGCGGCGGCCGGGTGGCGGGGGTGAGTGGGGCCAGCGGGGCTGGACAGCAGCGGGCCCCGGG
CGCCGCCGCCGCGATCCCTCCCCGCGCCCGCCGAGCACATCGCCGCCGCCGAGATGGGCCCTCCG
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TCGCATCAGCCACACCTGTTGCAGTGACAGCCCCGCCAGCACACCTGACGCCAGCAGTGCCACTT
TCATTTTCGGAGGGACTTATGAAGCCGCCCCCGAAGCCCACCATGCCTAGCCGTCCCATTGCTCC

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GTAGCATCCCTCAAGCTTCAGCCATTCTGTGGCAACAATCAGTGGACAACAGGGCCATCCCAGT
AACCTGCATCACATCATGACTACAAATGTGCAAATGTCTATCATCCGCAGCAATGCTCCTGGGCC
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CTAAAGTAACCACAGTCCTGAGGCCGACCTCACAGCTGCCAAATGCTGCTACTGCTCAGCCAGCA
GTACAGCACATCATTCACCAACCAATCCAGTCTCGGCCACCTGTGACCACCTCCAATGCCATCCC
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SEQUENCE ID NO 20

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GHPSNLHHIMTTNVQMSI IRSNAPGPPLHIGASHLPRGAAAAVMSSSKVTTVLRPTSQLPNAAT
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PPKEYIDEEGVRYVPVRPRPPITLLRHYNRPWKAAYHHFQRYSDVRVKEEKKAMLQEIANQKGS
CRAQGKWVHLCAAQLLQLTNLEHDVYERLTNLQEGII PKKKAATDDDLHRINELIQGNMQRCKLV
MDQISEARDSMLKVLDHKDRVLKLLNKNGTVKKVS KLKRKEKV

SEQUENCE ID NO 21

GGAAAGTTGTGANTGTGCGANCTTGATCCTGGCGNGCCGCGGAGTTCACCCTGNGGCCCNNGGAGCA
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GACTA

SEQUENCE ID NO 22

VVXVXLILAXRGVHPXAXEQSTSSVIRLNSPTTTSQIMARKKRRGIIEKRRRDRINNSLSELRRL
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AATAAAHSFPLSFAGAFPMPLPNAAA AVAAATAISPPLSVSATSSPQQTSSGTNNKPYRPWGTEV
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SEQUENCE ID NO 23

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GGACCTACATGCTTCTCAAATTCAGGGCTTTTTTGATATCCCAGTAGACAATTTGTATGCAGAGC

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CAAGGCGCGTGACTCATAGCCTCATCCGTCTAGCACTACGGTCCTTGAGTACAGGCCCCGCCACG
GACTGCCCCGTAGCGGTCTCCACCTCCACCTGCGTGGAACACACCGGGTCACAGCAAACGCGC
GCCCTACCGTTTGTCAACGAACCGCCCTATTGTACCCACCCCCCTTTTT

SEQUENCE ID NO 24

PNIKIFSGSSHQDLSQKIADRLGLELGKVVTKKFSNQETCVEIGESVRGEDVYIVQSGCGEINDN
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SQIQGFFDIPVDNLYAEPVCLKWIRENISEWRNCTIVSPDAGGAKRVTSIADRLNVDFALIHKE
KKANEVDRMVLVGDVKDRVAILVDDMADTCGTICHAADKLLSAGATRVYAILTHGIFSGPAISRI
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SEQUENCE ID NO 25

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ATACCAGAAACATAACCCATTTAATCCCCCTAAGGTCCGGTTTATCACTAAAATATGGCATCCTAA
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CATTGATCGGTTGT

SEQUENCE ID NO 26

MANIAVQRIKREFKEVLKSEETSKNQIKVDLVDENFTELARGEIAGPPDTPYEGGRYQLEIKIPET
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ANQYKQNPMEFKQTARLWAHVYAGAPVSSPEYTKKIENLCAMGFDRNAVIVALSSKSWDVETATE
LLLSN

SEQUENCE ID NO 27

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SEQUENCE ID NO 28

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AKL

SEQUENCE ID NO 29

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SEQUENCE ID NO 30

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SEQUENCE ID NO 31

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SEQUENCE ID NO 32

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SEQUENCE ID NO 33

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SEQUENCE ID NO 34

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SEQUENCE ID NO 35

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SEQUENCE ID NO 36

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SEQUENCE ID NO 37

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SEQUENCE ID NO 38

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SEQUENCE ID NO 39

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